

**REMARKS**

Reconsideration of this application, as presently amended, is respectfully requested. Claims 1-13 are now pending in this application, claims 14-15 having been cancelled by the present Amendment. Claims 1-4 and 12-15 stand rejected. Claims 5-11 were objected to as being dependent upon a rejected base claim, but were indicated to be allowable if rewritten in independent form to include all of the features of the base claim and any intervening claims.

Initially, it is noted that page 15, lines 6-7 of the specification has been amended to clarify the description of the invention. Specifically, page 15, lines 5-7 has been amended to describe “When Vin being obtained from a commercial AC power supply voltage is generated and applied to the power ON/OFF circuit 6, ...” This amendment clarifies that the AC power supply is not supplied directly to the circuit 6. It is submitted that no new matter is introduced because (a) those skilled in the art would recognize that the commercial AC power supply voltage is not supplied directly to the input of the flip-flop, and (b) from the related description in its entirety on page 15, lines 4-31, it would be clear to those skilled in the art that the amendments made at page 15, lines 6-7 of the specification are correct.

**Claim Rejections – 35 U.S.C. §102**

In the final Office Action mailed on June 28, 2007, claims 1-4, 12 and 13 were rejected under 35 U.S.C. §102(b) as being anticipated by **Kono et al.** (JP 2000-308257). Claims 14-15 are rejected under 35 U.S.C. §102(a) as being anticipated by **Bruning** (USP 6,339,314, previously cited). For the reasons set forth below, these rejection is respectfully traversed.

First, it is noted that the rejection of claims 14 and 15 is no longer applicable in view of the cancellation of claims 14-15.

Claims 1, 3, 12 and 13 have been amended by the present amendment. By way of example, claim 1 has been amended to clarify that a power supply to the transformer is started in response to two conditions, specifically, “when a voltage from external of the current-to-voltage conversion circuit is applied to the output side of the current-to-voltage conversion circuit and *when a voltage being obtained from a commercial AC power supply voltage is generated.*” Claims 3, 12 and 13 have been amended similarly.

Thus, according to the presently claimed invention, there are two methods of starting the current-to-voltage conversion circuit. Specifically, the first method starts the current-to-voltage conversion circuit by applying a voltage  $V_{in}$  obtained from a commercial AC power supply input. The second method starts the current-to-voltage conversion circuit via the voltage comparator (COMP) 12 and the coupler circuit 52.

In contrast to the claimed invention, according to **Kono et al.**, the starting of the current-to-voltage conversion circuit in its entirety is carried out by a single method of applying a potential to the DC output terminal side.

According to the present invention, even if the battery on the equipment (electronic apparatus) side runs out, for example, it is possible to start the current-to-voltage conversion circuit by making an input to the AC input side again (for example, once disconnecting the AC power supply cable from the power outlet on the wall and reconnecting the AC power supply

cable to the outlet). Such an advantageous effect of the present invention cannot be obtained by  
**Kono et al.**

In view of the foregoing, it is submitted that each of claims 1, 3, 12 and 13, and claims dependent therefrom, patentably distinguish over the cited prior art and define allowable subject matter. Reconsideration and withdrawal of the rejection under §102 are respectfully requested.

### **CONCLUSION**

In view of the foregoing, it is submitted that all pending claims are in condition for allowance. A prompt and favorable reconsideration of the rejection and an indication of allowability of all pending claims are earnestly solicited.

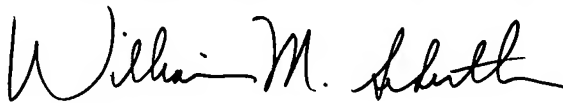
If the Examiner believes that there are issues remaining to be resolved in this application, the Examiner is invited to contact the undersigned attorney at the telephone number indicated below to arrange for an interview to expedite and complete prosecution of this case.

Application No. 10/715,390  
Art Unit: 2838

Submission of Amendment under 37 C.F.R. §1.114  
Attorney Docket No.: 032116

If this paper is not timely filed, Applicants respectfully petition for an appropriate extension of time. The fees for such an extension or any other fees that may be due with respect to this paper may be charged to Deposit Account No. 50-2866.

Respectfully submitted,  
**WESTERMAN, HATTORI, DANIELS & ADRIAN, LLP**

A handwritten signature in black ink, appearing to read "William M. Schertler". The signature is fluid and cursive, with the first name "William" and last name "Schertler" clearly distinguishable.

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